

JUL 02 2007

Application No. 10/775,429

REMARKS

Claims 1-14 and 21-27 are pending, and claims 1-14 and 21-27 stand rejected. By this Amendment, claims 1, 8, 21, and 25 are amended. The amendments to the claims do not introduce new matter. Support for the amendments can be found throughout the specification and, for example, at page 4, lines 15-19; page 8, lines 17-20 and structures (2) and (5) on page 22.

Objections to the Disclosure

The Examiner objected to the amended paragraph beginning at page 21, line 12, of the specification, set forth in the amendment filed on September 8, 2006, disclosing that the solubilizing substituent comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50 and one or more of the methylene groups can be replaced by B or P. The Examiner indicated that it is not clear how a methylene group, which is divalent, can be replaced with groups that are not divalent. The Examiner continued noting that the specification also discloses that the solubilizing substituent comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50 and one or more of the methylene groups can be replaced by B or P. Attention was directed to the amended paragraphs beginning at page 3, line 1; page 8, line 21; and page 20, line 23, of the specification, set forth in the amendment filed March 16, 2006. The Examiner again indicated that it is not clear how a methylene group, which is divalent, can be replaced with groups that are not divalent.

Further, the Examiner noted that based on the disclosure in the instant specification, a person having ordinary skill in the chemical arts would not have known what groups applicants intended to be bonded to B and P such that the substituted B and P are divalent. Further, the Examiner asserted that the instant specification provides no guidance to a person having ordinary skill in the art as to what groups are bonded to B and P to render the substituted B and P divalent. The Examiner also asserted that the originally filed specification does not disclose any chemical structures comprising the chemical substituents "B" and "P" in a methylene chain. Additionally, the Examiner asserted that there is no disclosure in the instant specification that when the

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terminologies "group" or "moiety" are not used, there is no limitation on the substitution of the chemical substituent.

The amended paragraph beginning at page 21, line 12, of the specification, set forth in the amendment filed on September 8, 2006, and the amended paragraphs beginning at page 3, line 1; page 8, line 21; and page 20, line 23, of the specification, set forth in the amendment filed March 16, 2006 have been amended, removing the reference to "B" and "P". Reconsideration and withdrawal of the objection to the specification are respectfully requested.

Rejection Under 35 U.S.C. §112, Second Paragraph

The Examiner rejected claims 1-14 and 21-27 under 35 U.S.C. 112, second paragraph, as being indefinite. The Examiner asserted that instant claims 1, 8, and 21 are indefinite in the phrase "the solubilizing substituent comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by a ...B, P..." because it is not clear how a methylene group, which is divalent, can be replaced with groups that are not divalent. Similarly, the Examiner asserted that claim 25 is further indefinite in the phrase "R₇ comprises a $-(CH_2)_nH$ group where n is an integer between 1 and 50, and one or more of the methylene groups is optionally replaced by a ...B, P..." because it is not clear how a methylene group, which is divalent, can be replaced with groups that are not divalent.

Claims 1, 8, 21, and 25 have been amended, removing the reference to "B" and "P". In doing so, no admission is intended or made regarding the Examiner's objection and rejection. The amendment is made solely to advance prosecution of the instant application and the right to file a continuing application is expressly reserved. Therefore, reconsideration and withdrawal of the rejection of claims 1, 8, 21, and 25 are respectfully requested.

Rejection Under 35 U.S.C. §112, First Paragraph

The Examiner rejected claims 1-14 and 21-27 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement. The Examiner asserted that instant claims 1, 8, 21, and 25 recite that in the charge transport compound formula, the symbol X is "a p-N,N-diphenylaminophenylene group." The Examiner asserted that the originally filed specification, at page 22, exemplifies two particular charge transport compounds that are

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represented by the chemical formulas recited in instant claims 1, 8, 21, and 25, when the symbol X is p-N,N-diphenylaminophenylene. The Examiner asserted that the term "a p-N,N-diphenylaminophenylene group" is broader than the disclosed p-N,N-diphenylaminophenylene moiety because it encompasses substituted p-N,N-diphenylaminophenylene groups.

Claims 1, 8, 21, and 25 have been amended, such that the term "moiety" replaces the term "group". The amendment is made solely to advance prosecution. The application provides written description for the p-N,N-diphenylaminophenylene moiety, for example, in structures on page 22 of the originally filed specification. Hence, the claims meet the written description requirement. Claims 2-7, 9-14, 22-24, and 26-27 depend from claims 1, 8, 21, and 25, respectively, and also meet the written description requirement. Reconsideration and withdrawal of the rejection of claims 1, 8, 21, and 25 under 35 U.S.C. §112, first paragraph, are respectfully requested.

Conclusion

In view of the foregoing, it is submitted that this application is in condition for allowance. Favorable consideration and prompt allowance of the application are respectfully requested.

The Examiner is invited to telephone the undersigned if the Examiner believes it would be useful to advance prosecution.

Respectfully submitted,



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